Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/21/2019 10:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125312	0	2.15	125327	2.09
Blue	F	SSC	125000	124956	-1	1.62	125736	1.60
Blue	E	FITC	16433	16071	-3	2.74	350	19.09
Blue	D	PE	27595	27299	-2	1.96	596	14.23
Blue	B	PerCP-Cy5-5	43183	42876	-1	3.54	1153	19.94
Blue	A	PE-Cy7	31943	32475	1	6.04	622	39.49
Red	C	APC	42819	42245	-2	2.45	1491	12.14
Red	A	APC-Cy7	31261	30115	-4	2.34	800	11.97
Violet	B	V450	6527	6314	-4	4.58	352	13.44
Violet	A	V500	24533	23638	-4	4.32	550	10.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18051	11.31	612	12	N/A	N/A	Pass
Blue	F	SSC	56800	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0229	157	Pass
Blue	D	PE	125	48.23	537	3	0.1787	282	Pass
Blue	B	PerCP-Cy5-5	210	49.77	647	5	0.0095	78	Pass
Blue	A	PE-Cy7	117	98.84	696	7	0.0118	23	Pass
Red	C	APC	355	25.46	581	-2	0.0245	164	Pass
Red	A	APC-Cy7	177	29.05	560	-3	0.0056	1100	Pass
Violet	B	V450	54	58.74	449	-6	0.0468	1789	Pass
Violet	A	V500	82	33.36	460	-7	0.0209	562	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.93	-31.72	1.03
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.69	13.60 - 20.40	N/A	N/A	29.62	29.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments